

Title (en)
MULTI-CARRIER SIGNAL TRANSMITTER AND MULTI-CARRIER SIGNAL RECEIVER

Title (de)
SENDER UND EMPFÄNGER FÜR MEHRTRÄGERSIGNAL

Title (fr)
EMETTEUR DE SIGNAUX MULTIPORTEUSES ET RECEPTEUR DE SIGNAUX MULTIPORTEUSES

Publication
EP 1120929 A1 20010801 (EN)

Application
EP 00951938 A 20000810

Priority
• JP 0005372 W 20000810
• JP 22781599 A 19990811

Abstract (en)
In transmitting first information necessary for gaining synchronism of transmission signal and second information which is the other information by determining a break of a single modulation unit with a simple structure and processing prior to Fourier transformation on the side receiving a signal transmitted as a multi-carrier signal, a transmission symbol stream is expanded on a frequency axis. With a predetermined frequency position (for example, 0 kHz) as reference, a transmission symbol stream symmetrical is generated on the frequency axis and then, the transmission symbol stream symmetrical on the frequency axis is Fourier-transformed and transmitted. <IMAGE>

IPC 1-7
H04J 11/00

IPC 8 full level
H04J 11/00 (2006.01); **H04B 7/24** (2006.01); **H04L 27/26** (2006.01); **H04L 1/00** (2006.01)

CPC (source: EP US)
H04L 1/0071 (2013.01 - EP US); **H04L 27/2602** (2013.01 - EP US); **H04L 27/2634** (2013.01 - EP US); **H04L 27/2647** (2013.01 - EP US); **H04L 1/0059** (2013.01 - EP US); **H04L 27/2655** (2013.01 - EP US)

Citation (search report)
See references of WO 0113559A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 2005207506 A1 20050922; US 7280563 B2 20071009; EP 1120929 A1 20010801; JP 2001053713 A 20010223; JP 4288777 B2 20090701; US 10038580 B2 20180731; US 2007242699 A1 20071018; US 2009225884 A1 20090910; US 2011299556 A1 20111208; US 2014211815 A1 20140731; US 6982992 B1 20060103; US 7539217 B2 20090526; US 8009700 B2 20110830; US 8644345 B2 20140204; WO 0113559 A1 20010222

DOCDB simple family (application)
US 11599605 A 20050427; EP 00951938 A 20000810; JP 0005372 W 20000810; JP 22781599 A 19990811; US 201113212389 A 20110818; US 201314144816 A 20131231; US 41256409 A 20090327; US 80718701 A 20010821; US 81185807 A 20070611